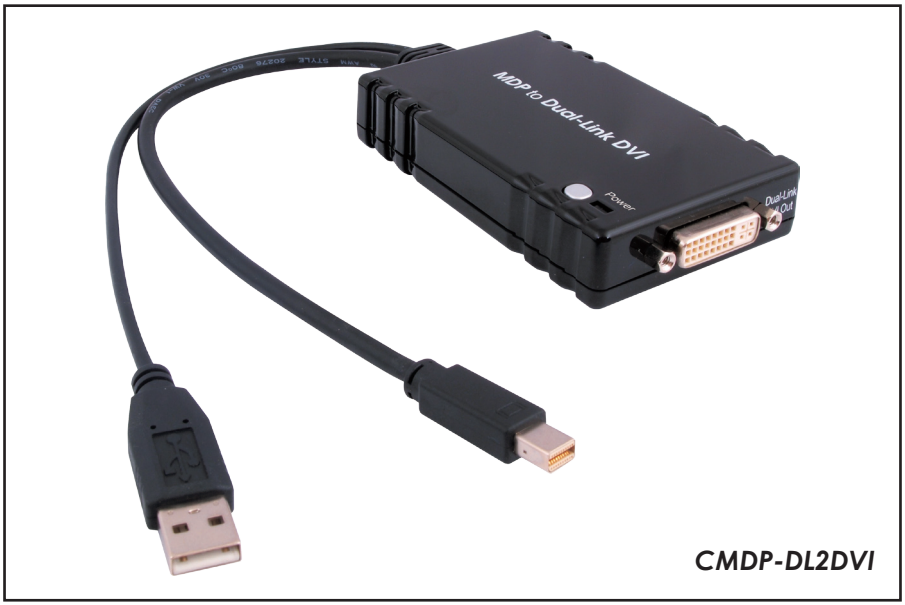
CMDP-DL2DVI

Mini DisplayPort to Dual Link DVI Converter

Operation Manual



CMDP-DL2DVI

Disclaimers

The information in this manual has been carefully checked and is believed to be accurate. Cypress Technology assumes no responsibility for any infringements of patents or other rights of third parties which may result from its use.
Cypress Technology assumes no responsibility for any inaccuracies that may be contained in this document. Cypress also makes no commitment to update or to keep current the information contained in this document.
Cypress Technology reserves the right to make improvements to this document and/or product at any time and without notice.

Copyright Notice

Version 1.0 March 2011

Trademark Acknowledgments

All products or service names mentioned in this document may be trademarks of the companies with which they are associated.

Safety Precautions

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

Revision History

Version No	Date	Summary of Change
VR0	20110424	Preliminary Release
VR1	20120518	Front Page's Picture

Table of Contents

1. Introduction

The Mini DisplayPort converter is specifically designed to allow Mini DisplayPort source to display on the Dual Link DVI display. Supporting resolutions up to 2560x1600 and ideal for display Mac sources on DVI monitor, this device is powered by USB connection which makes it more convenient to power.

2. Applications

- Mac System source to display on DVI display
- Commercial advertisement/Display
- Presentation

3. Package Contents

- MDP to Dual –Link DVI
- Operation Manual

4. System Requirements

Input Mac system source equipment and output DVI display with connection cables.

5. Features

- Compliance with DisplayPort Specification V1.1a at 1.62/2.7Gbps data rate (Low bit rate/High bit rate)
- Input/output support up to WQXGA (2560x1600 RB60) VESA display format
- Easy to install and simple to operate
- No software installation
- Compact size with elegant design

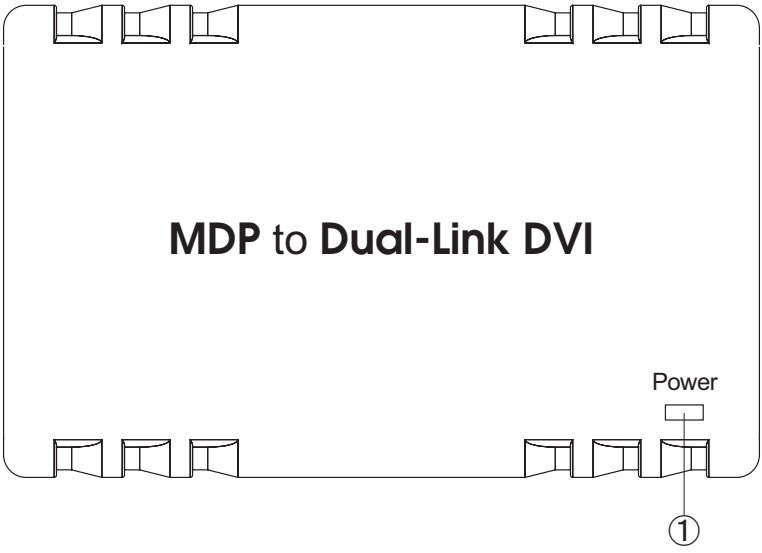
6. Specifications

Input Ports	Mini-DisplayPort
Output Ports	Dual Link DVI-D
Color Space	RGB
ESD Protection	Human body model: ± 10kV (air-gap discharge) ± 6kV (contact discharge)
Output TMDS signal	1.2 Volts (peak-to-peak)
Dimensions (mm)	210(W) x 91(D) x 30.5(H)
Weight(g)	230
Chassis Material	Plastic
Silkscreen Color	Black
Power Consumption	2.5W (USB)
Operating Temperature	0˚C ~ 40˚C / 32˚F ~ 104˚F
Storage Temperature	-20˚C ~ 60˚C / -4˚F ~ 140˚F
Relative Humidity	20~90% RH (non condensing)

7. Operation Controls and Functions

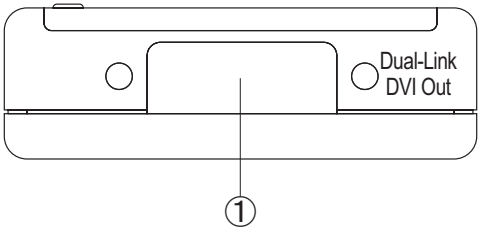
The following sections describe the hardware components of the unit.

7.1 Top Panel



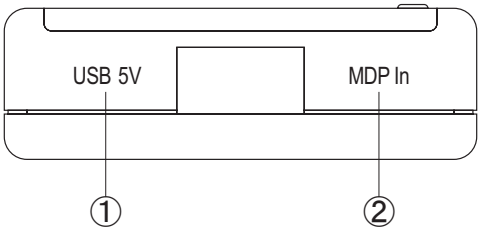
① Power LED: When the USB cable is connected with power supply this power LED will illuminate in red.

7.2 Right Panel



① Dual-Link DVI Out: Connect This slot is to connect with DVI display for output image with Dual-Link DVI cable.

7.3 Left Panel



① USB 5V: This cable is to connect to the PC or any USB port with power supply.
② MDP In: This cable is to connect to the Mini DP source equipment such as Mac System PC or NB for input signal.

8. Connection and Installation

Acronyms

A

Acronym	Complete Term
DVI	Digital Visual Interface
MDP	Mini DisplayPort
USB	Universal Serial Bus
WQXGA	Wide Quad eXtended Graphics Array

CYPRESS TECHNOLOGY CO., LTD.
Home page: http://www.cypress.com.tw

20110401 MPM-CMDPDL2DVI